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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/663,252	09/16/2003	Joseph Jacques	CISCP837	2874
26541	7590	05/12/2005		EXAMINER
RITTER, LANG & KAPLAN P.O. BOX 2448 SARATOGA, CA 95070			CHERVINSKY, BORIS LEO	
			ART UNIT	PAPER NUMBER
			2835	

DATE MAILED: 05/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/663,252	JACQUES ET AL.
	Examiner Boris L. Chervinsky	Art Unit 2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 13 April 2005.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1 and 3-23 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1 and 3-23 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 17 December 2004 is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
     1. Certified copies of the priority documents have been received.  
     2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
     3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|  | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 3, 5-10, 11, 12, 14-19, 20-23 rejected under 35 U.S.C. 103(a) as being unpatentable over Lee et al. in view of Chrysler et al.

Lee discloses an electronics assembly, comprising: a chassis defining an internal cavity receiving a plurality of electronic cards 40, 79, 110, 150 defining first and second flow channels; elements 85, 134, 146, 166 within the chassis are parallel to the electronic cards also defining first and second flow channels; a first air mover 70, 72 configured to cause air to flow through the first flow channel; and a second air mover 92, 94 configured to cause air flowing in the first flow channel to flow through the second flow channel; the first and second air movers are fans or blowers; the first and second air movers are in a fan tray; the first air mover 70 is in a fan tray with one or more additional air movers 72; the second air mover 92 is in a fan tray with one or more additional air movers 94; the air flowing in the first channel flows in direction opposite the air flowing in the second flow channel; an intake opening 74 for air to flow through to the first flow channel and an exhaust opening 102 for air to flow through from the second flow channel.

Lee discloses the claimed invention except the divider being an electronic card. Chrysler discloses the chassis having the electronic card 50 or back plane (see abstract) defining the first and the second air flow channels. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to use the electronic card as an element defining two air flow channels as disclosed by Chrysler in the structure disclosed by Lee for efficient space utilization. The method steps of claims 21 and 22 are necessitated by the device structure as disclosed by Lee et al. in view of Chrysler et al.

3. Claims 4 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee et al. in view of Chrysler et al. and further in view of Katooka et al.

Lee discloses the claimed invention except the flow guide. Katooka discloses the electronic assembly having the flow guide 19 to assist airflow from the first channel to the second channel. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to use a flow guide as disclosed by Katooka et al. in the structure disclosed by Lee et al. to improve air flow from the first to the second channel.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Boris L. Chervinsky whose telephone number is 571-272-2039. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild can be reached on 571-272-2800 ext. 35. The fax phone

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number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**BORIS CHERVINSKY  
PRIMARY EXAMINER**

*Boris L. Chervinsky*  
5/11/15